PTO/SB/21 (09-04)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
.45, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Under the Paperwork Reduction Act TR ASMITTAL Filing Date

Application Number 10/773,618 February 6, 2004 First Named Inventor Thomas W. DUBENSKY, Jr. Art Unit 1645 **Examiner Name** Not Yet Assigned

→ be used for all correspondence after initial filing)

FORM

Total Number of Pages in This Submission

Attorney Docket Number 16 + 73 282172002800

	Rets.					
ENCLOSURES (Check all that apply)						
Fee Transmittal Form	Drawing(s)	After Allowance Communication to TC				
Fee Attached	Licensing-related Papers	Appeal Communication to Board of Appeals and Interferences				
Amendment/Reply	Petition	Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)				
After Final	Petition to Convert to a Provisional Application	Proprietary Information				
Affidavits/declaration(s)	Power of Attorney, Revocation Change of Correspondence Address	Status Letter				
Extension of Time Request	Terminal Disclaimer	X Other Enclosure(s) (please Identify below):				
Express Abandonment Request	Request for Refund	1. Form PTO-1449 + copy (12 pages)				
x Information Disclosure Statemen (Supplemental – 3 pages)	CD, Number of CD(s)	73 References Return Receipt Postcard				
Certified Copy of Priority Document(s)	Landscape Table on CD					
Reply to Missing Parts/ Incomplete Application	Remarks					
Reply to Missing Parts und 37 CFR 1.52 or 1.53	er	-				
SIGN	SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT					
Firm Name MORRISON & F	OERSTER LLP (Customer No) 25226	5)				
Signature	- 1. Hac					
Printed name Alicia J. Hager	7					
Date January 6, 2005	Reg. No.	44,140				

		ed with the U.S. Postal Service as Express Mail, Airbill No. EV336621631US, ioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date
Dated: January 6, 2005	Signature:	Progrig Made (Georgina Matos)

JAN 0 6 2005

1-10-05

PATENT Docket No. 282172002800

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV336621631US, in a box addressed to: Mail Stop Amendment, Commissioner for Patents, P.D. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: January 6, 2005

ignature:

(Georgina Matos)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Thomas W. DUBENSKY, Jr. et al.

Serial No.: 10/773,618

Filing Date: February 6, 2004

For: MODIFIED FREE-LIVING MICROBES,

VACCINE COMPOSITIONS AND METHODS OF USE THEREOF

Examiner: Not Yet Assigned

Group Art Unit: 1645

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of foreign documents and non-patent literature are submitted herewith. The Examiner is requested to make these documents of record in the application.

	This	Supplemental Information Disclosure Statement is submitted:
	With	the application; accordingly, no fee or separate requirements are required.
	Befo	re the mailing of a first Office Action after the filing of a Request for Continued
	Exan	nination under § 1.114. However, if applicable, a certification under 37 C.F.R. §
	1.97((e)(1) has been provided.
\boxtimes	With	in three months of the application filing date or before mailing of a first Office
	Actio	on on the merits; accordingly, no fee or separate requirements are required.
	After	receipt of a first Office Action on the merits but before mailing of a final Office
	Actio	on or Notice of Allowance.
		A fee is required. A check in the amount of is enclosed.
		A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached
		to this submission in duplicate.
		A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee
		is believed to be due.
	After	mailing of a final Office Action or Notice of Allowance, but before payment of the
	issue	fee.
		A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the
		amount of is enclosed.
		A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal
		form (PTO/SB/17 is attached to this submission in duplicate.)

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Supplemental Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. §1.17(p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 282172002800. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated:

January 6, 2005

Respectfully submitted,

Alicia J. Hager

Registration No. 44,140

Morrison & Foerster LLP 755 Page Mill Road

Palo Alto, California 94304-1018

Telephone: (650) 813-4296 Facsimile: (650) 494-0792

		Sheet 1 01 0	
Form PTO-1449	Docket Number 282172002800	Application Number 10/773,618	
IN AN APPLICATION	Applicant Thomas W. DUBENSKY, Jr. et al.		
Use several sheets if necessary)	Filing Date February 6, 2004	Group Art Unit 1645	
JAN 0 6 2005	Mailing Date January 6, 2005		

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	03/07/2002	2002/0028432	Cook et al.			-
	2.	12/05/2002	2002/0182581	Cook et al.			
	3.	09/16/2004	2004/0180321	Cook et al.			
	4.	11/18/2004	2004/0228877	Dubensky, JR et al.			
	5.	01/09/2001	6,171,777	Cook et al.			
	6.	01/23/2001	6,177,441	Cook et al.			
	7.	06/25/2002	6,410,219	Cook et al.			
	8.	01/27/2004	6,682,729	Powell et al.			
	9.	03/23/2004	6,709,810	Cook et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Transla YES	tion NO
	10.	08/06/1993	FR 2 686 896	France			Abstract	
	11.	08/05/1993	WO 93/15212	WIPO			YES	
	12.	11/07/1996	WO 96/34631	WIPO				
	13.	12/19/1996	WO 96/39818	WIPO				
	14.	06/17/1999	WO 99/29884	WIPO				
	15.	07/15/2000	WO 99/34839	WIPO				
	16.	10/17/2002	WO 02/20982	WIPO				
	17.	10/07/2004	WO 04/084936	WIPO			_	
	18.	12/23/2004	WO 04/110481	WIPO				

EXAMINER:	DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTC)-1449		Docket Number 282172002800	Application Number 10/773,618		
INFOR		ON DISCLOSURE CITATION AN APPLICATION	Applicant Thomas W. DUE	BENSKY, Jr. et al.		
(Use several sheets if necessary)			Filing Date February 6, 2004	Group Art Unit 1645		
			Mailing Date January 6, 2005			
		OTHER DOCUMENTS	(including author, title, Date, Pertin	nent Pages, Etc.)		
Examiner Initials	Ref. No.	Title				
	19.	Barry, R.A. et al. (April 1992). "Patho Plaque Mutants Defective for Intracell 60(4):1625-1632.				
•	20.	Bast, R.C. et al. (March 1975). "Antitumonocytogenes on Growth of a Murin 54(3):749-756.				
	21.	Bast, R.C. et al. (March 1975). "Antitumonocytogenes on Growth of a Guine 54(3):757-761.	•			
	22.	22. Bergmann, B. et al. (February 2002). "InlA- but not InlB-mediated Internalization of <i>Listeria monocytogenes</i> by Non-Phagocytic Mammalian Cells Needs the Support of Other Internalins," <i>Molecular Microbiology</i> 43(3):557-570.				
	23.	Boon, T. et al. (1994). "Tumor Antigens Recognized by T Lymphocytes," Annu. Rev. Immunol. 12:337-365.				
	24.	Bouwer, H.G.A. et al. (April 14, 2003). "Recombinant L. monocytogenes as a Vaccine For Stimulation of Anti-Tumor Responses," (Abstract for the 90th Anniversary Meeting of the American Association of Immunologists, Denver, CO May 6 -10, 2003) FASEB Journal, 17(7):C330-331, Abstract 162.17.				
	25.	Braun, L. et al. (October 1999). "The 2 moncytogenes InIB Protein is Sufficie and Membrane Ruffling," Molecular M	nt for Entry into Mammalian Ce			
	26.	Bridges, B.A. et al. (August 1979). "Ir Methoxypsoralen: Different Response 459.				
	27. Brockstedt, D. et al. (July 2003). "Recombinant Attenuated Listeria monocytogenes Elicits Robus Cellular Immune Response to Tumor-Associated Antigen in Listeria Immune Mice," (Abstract fo 94th Annual Meeting of the American Association for Cancer Research, Washington DC, USA, 11-14, 2003) Proceedings of the American Association For Cancer Research Annual Meeting 44(2):168, Abstract No. 851.					
28. Brockstedt, D.G. et al. (September 21, 2004). "Listeria-based Cancer Vaccines That Segre Immunogenicity From Toxicity," Proc. Natl. Acad. Sci. USA Vol. 101(38):13832-13837.						
29. Brooks, P.C. et al. (August 2001). "Identification of Some DNA Damage-Inducible Gondon Mycobacterium tuberculosis: Apparent Lack of Correlation with LexA Binding," Jour Bacteriology 183(15):4459-4467.						
EXAMI	NER:		DATE CONSIDERED:			
		ial if citation considered, whether or not the citati ot considered. Include a copy of this form with r		line through the citation if not in		

Form PTO-1449		Docket Number 282172002800	Application Number 10/773,618	
INFORMATION DISCLOSURE CITATION		Applicant		
IN	AN APPLICATION	Thomas W. DUBENSKY, Jr. et al.		
(Use several sheets if necessary)		Filing Date February 6, 2004	Group Art Unit 1645	
		Mailing Date January 6, 2005		
	T			
30.	Cole, R.S. (September 1971). "Inactive Bacteriophage Lambda by Psoralen P Cross-Links," <i>Journal of Bacteriolog</i>	Plus 360-nm Light: Significance of		
31.	Cole, R.S. et al. (1975). "Repair of Cr Sciences: Molecular Mechanisms For 487-495.			
32.	Dramsi, S. et al. (May 1997). "Identif Family of Listeria monocytogenes EC			
33.	Drevets, D.A. (July 1999). "Dissemin Infection and Immunity 67(7):3512-3	, ,	by Infected Phagocytes,"	
34.	Drevets, D.A. et al. (November 1995) Two Distinct Mechanisms," <i>Infection</i>			
35.	Dustoor, M.M. et al. (January 1979). "Antitumor Activity of <i>Listeria monocytogenes</i> on a Guinea Fibrosarcoma," <i>Infection and Immunity</i> 23(1):54-60.			
36.	Engelbrecht, F. et al. (1996). "A New PrfA-Regulated Gene of <i>Listeria monocytogenes</i> Encoding a Small, Secreted Protein Which Belongs to the Family of Internalins," <i>Molecular Microbiology</i> 21(4):823-837.			
37.	Fong, L. et al. (March 15, 2001). "De Cancer Patients," <i>Journal of Immunol</i>		ent Routes Induce Immunity in	
38.	Fong, L. et al. (November 2002). "Productive Infection of Plasmacytoid Dendritic Cells with Human Immunodeficiency Virus Type 1 Is Triggered by CD40 Ligation," <i>Journal of Virology</i> 76(21):11032 11041.			
39.	Frankel, F.R. et al. (October 1994). "Delivery of HIV Antigens Using Listeria monocytogenes as a Live Vaccine Vector," <u>Abstracts of Papers Presented at the 1994 Meeting on Molecular Approaches to the Control of Infectious Diseases (October 5 - 9, 1994)</u> Cold Spring Harbor Laboratory Press: Cold Spring Harbor, NY pg. 56.			
40.	40. Frankel, F.R. et al. (1995). "Induction of Cell-Mediated Immune Responses to Human Immunodeficiency Virus Type 1 Gag Protein by Using <i>Listeria monocytogenes</i> as a Live Vaccine Vector," <i>The Journal of Immunology</i> 155:4775-4782.			
41.	41. Freitag, N.E. et al. (April 1999). "Examination of <i>Listeria monocytogenes</i> Intracellular Gene Expression by Using the Green Fluorescent Protein of <i>Aequorea victoria</i> ," <i>Infection and Immunity</i> 67(4):1844-1852.			
42.	42. Gaillard, J-L. et al. (February 1996). "The <i>inlAB</i> Locus Mediates the Entry of <i>Listeria monocytoge</i> into Hepatocytes In Vivo," <i>Journal of Experimental Medicine</i> 183(2):359-369.			
43.	GenBank Accession No. AE017040 created on May 1, 2003, located at http://www.ncbi.nlm.nih.gov last visited on November 15, 2004, 159 pages.			
EXAMINER:		DATE CONSIDERED:		
•	ial if citation considered, whether or not the cita	tion conforms with MPEP 609 Draw a	line through the citation if not in	

conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449		Docket Number 282172002800	Application Number 10/773,618	
INFORMAT	ION DISCLOSURE CITATION	Applicant		
IN	N AN APPLICATION	Thomas W. DUB	ENSKY, Jr. et al.	
(Use several sheets if necessary)	Filing Date February 6, 2004	Group Art Unit 1645	
		Mailing Date January 6, 2005		
44.	GenBank Accession No. AL591824 cr http://www.ncbi.nlm.nih.gov last vi			
45.	GenBank Accession No. AL591974 cr http://www.ncbi.nlm.nih.gov > last vi			
46.	GenBank Accession No. AL591975 cr http://www.ncbi.nlm.nih.gov > last vi			
. 47.	GenBank Accession No. M24199 crea http://www.ncbi.nlm.nih.gov > last vi			
48.	GenBank Accession No. M67471 crea http://www.ncbi.nlm.nih.gov > last vi			
49.				
. 50.	Gouin, E. et al. (August 1994). "The V Present in <i>Listeria ivanovii</i> , an Animal <i>Infection and Immunity</i> 62(8):3550-35:	Pathogen, and Listeria seeliger.		
51.	Greiffenberg, L. et al. (December 1, 1997). "Listeria monocytogenes-infected Human Umbilical Vein Endothelial Cells: Internalin-Independent Invasion, Intracellular Growth, Movement, and Host Cell Responses," FEMS Microbiology Letters 157:163-170.			
52.	Greiffenberg, L. et al. (November 1998). "Interaction of Listeria monocytogenes with Human Brain Microvascular Endothelial Cells: In1B-Dependent Invasion, Long-Term Intracellular Growth, and Spread from Macrophages to Endothelial Cells," Infection and Immunity 66(11):5260-5267.			
53.	Hansen, M.T. (1982). "Sensitivity of E Radiation," Mutation Research 106:20		Psoralen Plus Near-Ultraviolet	
54.		rough of Ultraviolet Light From Various Brands of Fluorescent ir-Defective Bacteria," Environmental and Molecular		
55.	Higgins, D.E. et al. (1999). "Delivery of coli K-12," Molecular Microbiology 3		rophages using Escherichia	
56.	Horton, R.M. et al. (1990). "Gene Splin Polymerase Chain Reaction," Biotechn		or-Made Genes Using the	
•				
EXAMINER:		DATE CONSIDERED:		
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.				

Form PTO-1449		Docket Number 282172002800	Application Number 10/773,618	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		Applicant Thomas W. DUBENSKY, Jr. et al.		
O	Use several sheets if necessary)	Filing Date February 6, 2004	Group Art Unit 1645	
		Mailing Date January 6, 2005		
57.	monocytogenes: A Potential Vaccine V	ery of a Viral Antigen to the Class I Pathway by Listeria e Vector," Abstracts of the 94th General Meeting of the American 27, 1994) Las Vegas Convention Center: Las Vegas, NV pg. 159,		
58.	Ikonomidis, G. et al. (December 1994) Presentation Pathway by <i>Listeria mone</i>			
59.	International Search Report mailed De 2004, 11 pages.	cember 7, 2004, for PCT/US200	04/003429 filed February 6,	
60.	Jones, S. et al. (December 1994). "Cha Strain Expressing Perfringolysin O in 5613.			
61.	Kim, J.J. et al. (April 2001). "Construction and Analysis of Photolyase Mutants of <i>Pseudomonas aeruginosa</i> and <i>Pseudomonas syringae</i> : Contribution of Photoreactivation, Nucleotide Excision Repair, and Mutagenic DNA Repair to Cell Survival and Mutability following Exposure to UV-B Radiation," <i>Applied and Environmental Microbiology</i> 67(4):1405-1411.			
62.	Lecuit, M. et al. (June 1, 2001). "A Transgenic Model for Listeriosis: Role of Internalin in Crossing the Intestinal Barrier," <i>Science</i> 292:1722-1725.			
63.	Lin, L. et al. (April 1997). "Photochemical Inactivation of Viruses and Bacteria in Platelet Concentrates by Use of a Novel Psoralen and Long-Wavelength Ultraviolet Light," <i>Transfusion</i> 37(4):423-435.			
64.	Mandl, S. et al. (July 1998). "Poliovirus Vaccine Vectors Elicit Antigen-Specific Cytotoxic T Cells and Protect Mice Against Lethal Challenge with Malignant Melanoma Cells Expressing a Model Antigen," <i>Proc. Natl. Acad. Sci. USA</i> 95:8216-8221.			
65.	Pan, Z-K. et al. (May 1995). "A Recombinant <i>Listeria monocytogenes</i> Vaccine Expressing a Model Tumour Antigen Protects Mice Against Lethal Tumour Cell Challenge and Causes Regression of Established Tumours," <i>Nature Medicine</i> 1(5):471-477.			
66.	Pan, Z-K. et al. (November 1, 1995). "Regression of Established Tumors in Mice Mediated by the Oral Administration of a Recombinant <i>Listeria monocytogenes</i> Vaccine," <i>Cancer Research</i> 55:4776-4779.			
67.		ernalin B is Essential for Adhesion and Mediates the Invasion of Endothelial Cells," <i>Molecular Microbiology</i> 28(1):81-93.		
68.	Peters, C. et al. (January 2003). "Tailoring Host Immune Responses to <i>Listeria</i> by Manipulation of Virulence Genes - The Interface Between Innate and Acquired Immunity," <i>FEMS Immunology and Medical Microbiology</i> 35:243-253.			
69.	Sander, P. et al. (June 2001). "Mycobacterium bovis BCG recA Deletion Mutant Shows Increased Susceptibility to DNA-Damaging Agents but Wild-Type Survival in a Mouse Infection Model," Infection and Immunity 69(6):3562-3568.			
EXAMINER:		DATE CONSIDERED:		
	itial if citation considered, whether or not the citati not considered. Include a copy of this form with r		line through the citation if not in	

Form PT	O-1449		Docket Number 2821/2002800	Application Number 10/7/3,618	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION			Applicant Thomas W. DUE	BENSKY, Jr. et al.	
		Use several sheets if necessary)	Filing Date February 6, 2004	Group Art Unit 1645	
			Mailing Date January 6, 2005		
	T=0				
	70.	Sanderson, S. et al. (1994). "LacZ Inc Immunology 6(3):369-376.	ducible, Antigen/MHC-Specific	T Cell Hybrids," International	
	71.	Sawyer, R.T. et al. (November 1996). monocytogenes by Mouse Macrophag			
-	72.	Shen, Z. et al. (1997). "Cloned Dendri I and Class II Molecules," <i>Journal of</i>		s Antigens on Both MHC Class	
	73.	Shimizu, K. et al. (March 15, 2001). " Cell-based Vaccines by the Addition of			
	74.	Simon, R. et al. (November 1983). "A Engineering: Transposon Mutagenesis			
•	75.				
	76.	Smith, K. et al. (1992). "Use of a New Integrational Vector to Investigate Compartment-Specific Expression of the <i>Bacillus subtilis spoIIM</i> Gene," <i>Biochimie</i> 74:705-711.			
•	77.	Starks, H. et al. (July 1, 2004). "Listeria Monocytogenes as a Vaccine Vector: Virulence Attenuation or Existing Antivector Immunity Does Not Diminish Therapeutic Efficacy," Journal of Immunology 173:420-427.			
-	78.	Suárez, M. et al. (December 2001). "A monocytogenes," Cellular Microbiolog		ell Invasion by <i>Listeria</i>	
	79.	Uchijima, M. et al. (1998). "Optimizate the Effective MHC Class I-Restricted of Immunology 161:5594-5599.			
	80.	Vazquez-Boland, J-A. et al. (January Listeria monocytogenes and Possible Immunity 60(1):219-230.			
	81.	Weiskirch, L.M. et al. (1997). "Listeri Infectious Disease," Immunological R		cine Vector for Neoplastic and	
, , , , , , ,	82.	Zhukov-Verezhnikov, N.N. et al. (198 Certain Species of Microorganisms,"			
EXAM	MINER:	.	DATE CONSIDERED:		
		tial if citation considered, whether or not the citati not considered. Include a copy of this form with t		line through the citation if not in	